



SHIP SUPPLIED PLUMBING

— — 1" AIR START LINE

— — 1/4" AIR START CONTROL LINE

SHIPYARD INSTALLATION DATA

AIR START SYSTEM

1. MAXIMUM SUPPLY PRESSURE: 150 psi.
2. AIR FLOW:
900 SCFM AT 150 PSI
3. PARTS SUPPLIED BY PPPC TO BE INSTALLED BY SHIPYARD:
24 VOLT AIR START SOLENOID
AIR CONTROL VALVE
AIR STRAINER
MANUAL AIR START VALVE
4. SHIPYARD TO PROVIDE ALL INTERCONNECT PIPING FOR MAIN AIR
SUPPLY AND CONTROL.
5. LUBRICATOR IS SUPPLIED AND INSTALLED ON THE ENGINE BY PPPC.
6. AIR STARTER SUPPLIED AND INSTALLED BY PPPC.
7. TANK, AIR COMPRESSOR, CONTROLS AND MONITORING TO BE PROVIDED
BY SHIPYARD.
8. CONNECTION PORTS
AIR STARTER: 1" NPT
AIR CONTROL VALVE: 1 1/2" NPT
AIR STRAINER: 1 1/2" NPT
MANUAL CONTROL VALVE: 1/8" NPT
24 VOLT SOLENOID VALVE: 1/4" NPT

NOTES:

1. ABBREVIATIONS:
PPPC - PACIFIC POWER PRODUCTS COMPANY
SCFM - STANDARD CUBIC FEET PER MINUTE
2. MANUAL START PUSH BUTTON VALVE HAS BEEN MODIFIED
BY PPPC TO INCLUDE A 1/8" DIAMETER ORIFICE IN BLEED
OFF PORT TO BE ABLE TO FUNCTION IN PARALLEL WITH THE
24VOLT SOLENOID VALVE.
3. REFERENCE DRAWING 8-6176205-G1, SHEET 2 OF 4 FOR
STARTER LOCATION.

				DRAWING: AIR START SYSTEM DIAGRAM			
				PROJECT: WASHINGTON STATE FERRIES 144 CAR FERRY			
				ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED			
				DATE	SHEET 1 OF 1	SCALE: NONE	
				DESIGNED	RAB	10-13-05	DRAWING NO.
				CHECKED	KJC	10-13-05	8-6176205-S2
				DRAFTED	DMD	10-13-05	B

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